



8165 E. Kaiser Blvd. Anaheim, CA 92808

www.lightlaboratory.com

Photometric Test Report

IES FLOOD REPORT

PHOTOMETRIC FILENAME : L052510778.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L052510778

[TESTLAB] LIGHT LABORATORY, INC. (www.lightlaboratory.com)

[ISSUE DATE] 6/4/2025

[MANUFAC] Vista Professional Outdoor Lighting

[LUMCAT] 1142-MF-RGBW-(G)

[LUMINAIRE] 1142 Medium Flood Green Output

[BALLASTCAT] ELDOLED PW50U-M4Z0X1

[OTHER] INDICATING THE CANDELA VALUES ARE ABSOLUTE AND

[MORE] SHOULD NOT BE FACTORED FOR DIFFERENT LAMP RATINGS.

[MORE] Base file 80239581-30

[INPUT] 120VAC

[TEST PROCEDURE] IESNA:LM-79-19

Note: Candela values converted from Type-C to Type-B

CHARACTERISTICS

NEMA Type	7 H x 5 V
Maximum Candela	687
Maximum Candela Angle	0H -11V
Horizontal Beam Angle (50%)	98.2
Vertical Beam Angle (50%)	62.9
Horizontal Field Angle (10%)	142.0
Vertical Field Angle (10%)	94.6
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	804
Beam Efficiency	N.A.
Field Lumens	1073
Field Efficiency	N.A.
Spill Lumens	74
Luminaire Lumens	1147
Total Efficiency	N.A.
Total Luminaire Watts	20.64
Ballast Factor	1.00

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AXIAL CANDELA

DEG.	HOR.	DEG.	VERT.
90	0	90	0
85	4	85	1
75	40	75	12
65	120	65	25
55	273	55	40
47.5	393	47.5	67
42.5	453	42.5	106
37.5	505	37.5	185
33	544	33	298
29	575	29	416
25.5	599	25.5	515
22.5	616	22.5	585
19.5	628	19.5	634
17	636	17	659
15	642	15	673
13	649	13	681
11	655	11	687
9	659	9	687
7	664	7	680
5	668	5	673
3	666	3	667
1	665	1	665
0	665	0	665
-1	665	-1	665
-3	666	-3	667
-5	668	-5	673
-7	664	-7	680
-9	659	-9	687
-11	655	-11	687
-13	649	-13	681
-15	642	-15	673
-17	636	-17	659
-19.5	628	-19.5	634
-22.5	616	-22.5	585
-25.5	599	-25.5	515
-29	575	-29	416
-33	544	-33	298
-37.5	505	-37.5	185
-42.5	453	-42.5	106
-47.5	393	-47.5	67
-55	273	-55	40
-65	120	-65	25
-75	40	-75	12
-85	4	-85	1
-90	0	-90	0

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CANDELA TABULATION

Maximum Candela = 687

Beam Edge = 343.5 Cd (50% of Max.)

Field Edge = 68.7 Cd (10% of Max.)

* Indicates Values Inside Field Edge

Vert. Angles	Horizontal Angles									
	<u>-90.0</u>	<u>-85.0</u>	<u>-75.0</u>	<u>-65.0</u>	<u>-55.0</u>	<u>-47.5</u>	<u>-42.5</u>	<u>-37.5</u>	<u>-33.0</u>	<u>-29.0</u>
90.0	0	0	0	0	0	0	0	0	0	0
85.0	0	0	1	1	1	1	1	1	1	1
75.0	0	1	3	6	8	10	11	12	12	12
65.0	0	1	7	15	22	25	26	26	26	26
55.0	0	1	12	28	40	44	44	46	45	44
47.5	0	2	17	39	58	66	68	70 *	70 *	71 *
42.5	0	2	21	49	73 *	87 *	94 *	100 *	102 *	104 *
37.5	0	3	24	59	94 *	119 *	133 *	146 *	156 *	164 *
33.0	0	3	27	68	117 *	156 *	181 *	204 *	224 *	240 *
29.0	0	3	30	76 *	140 *	196 *	233 *	271 *	301 *	330 *
25.5	0	3	32	83 *	163 *	235 *	285 *	334 *	374 *	406 *
22.5	0	4	34	90 *	182 *	269 *	328 *	385 *	431 *	466 *
19.5	0	4	36	97 *	201 *	301 *	369 *	430 *	478 *	516 *
17.0	0	4	37	102 *	218 *	327 *	396 *	460 *	508 *	546 *
15.0	0	4	37	106 *	230 *	343 *	416 *	479 *	526 *	565 *
13.0	0	4	38	110 *	240 *	357 *	429 *	492 *	540 *	576 *
11.0	0	4	39	113 *	249 *	369 *	438 *	500 *	548 *	584 *
9.0	0	4	39	115 *	257 *	377 *	446 *	505 *	551 *	587 *
7.0	0	4	39	117 *	264 *	383 *	450 *	507 *	550 *	586 *
5.0	0	4	40	118 *	268 *	388 *	452 *	506 *	548 *	582 *
3.0	0	4	40	119 *	271 *	392 *	454 *	506 *	546 *	578 *
1.0	0	4	40	120 *	272 *	393 *	453 *	506 *	545 *	576 *
0.0	0	4	40	120 *	273 *	393 *	453 *	505 *	544 *	575 *
-1.0	0	4	40	120 *	272 *	393 *	453 *	506 *	545 *	576 *
-3.0	0	4	40	119 *	271 *	392 *	454 *	506 *	546 *	578 *
-5.0	0	4	40	118 *	268 *	388 *	452 *	506 *	548 *	582 *
-7.0	0	4	39	117 *	264 *	383 *	450 *	507 *	550 *	586 *
-9.0	0	4	39	115 *	257 *	377 *	446 *	505 *	551 *	587 *
-11.0	0	4	39	113 *	249 *	369 *	438 *	500 *	548 *	584 *
-13.0	0	4	38	110 *	240 *	357 *	429 *	492 *	540 *	576 *
-15.0	0	4	37	106 *	230 *	343 *	416 *	479 *	526 *	565 *
-17.0	0	4	37	102 *	218 *	327 *	396 *	460 *	508 *	546 *
-19.5	0	4	36	97 *	201 *	301 *	369 *	430 *	478 *	516 *
-22.5	0	4	34	90 *	182 *	269 *	328 *	385 *	431 *	466 *
-25.5	0	3	32	83 *	163 *	235 *	285 *	334 *	374 *	406 *
-29.0	0	3	30	76 *	140 *	196 *	233 *	271 *	301 *	330 *
-33.0	0	3	27	68	117 *	156 *	181 *	204 *	224 *	240 *
-37.5	0	3	24	59	94 *	119 *	133 *	146 *	156 *	164 *
-42.5	0	2	21	49	73 *	87 *	94 *	100 *	102 *	104 *
-47.5	0	2	17	39	58	66	68	70 *	70 *	71 *
-55.0	0	1	12	28	40	44	44	46	45	44
-65.0	0	1	7	15	22	25	26	26	26	26
-75.0	0	1	3	6	8	10	11	12	12	12
-85.0	0	0	1	1	1	1	1	1	1	1
-90.0	0	0	0	0	0	0	0	0	0	0

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CANDELA TABULATION - (Cont.)

Vert. Angles	Horizontal Angles									
	<u>-25.5</u>	<u>-22.5</u>	<u>-19.5</u>	<u>-17.0</u>	<u>-15.0</u>	<u>-13.0</u>	<u>-11.0</u>	<u>-9.0</u>	<u>-7.0</u>	<u>-5.0</u>
90.0	0	0	0	0	0	0	0	0	0	0
85.0	1	1	1	1	1	1	1	1	1	1
75.0	12	12	12	12	12	12	13	13	12	12
65.0	26	26	26	25	25	25	25	25	25	25
55.0	43	42	42	41	41	41	41	40	40	40
47.5	70 *	70 *	69 *	69 *	69 *	69 *	69 *	68	68	68
42.5	106 *	107 *	108 *	108 *	109 *	109 *	110 *	110 *	110 *	110 *
37.5	170 *	173 *	177 *	179 *	180 *	183 *	185 *	185 *	185 *	186 *
33.0	254 *	263 *	272 *	277 *	282 *	285 *	289 *	292 *	294 *	295 *
29.0	346 *	361 *	375 *	384 *	391 *	398 *	403 *	407 *	410 *	413 *
25.5	430 *	449 *	465 *	477 *	485 *	492 *	499 *	504 *	507 *	511 *
22.5	493 *	513 *	530 *	543 *	551 *	559 *	566 *	571 *	576 *	580 *
19.5	543 *	563 *	582 *	594 *	602 *	610 *	616 *	621 *	625 *	626 *
17.0	574 *	593 *	611 *	624 *	632 *	639 *	648 *	650 *	652 *	652 *
15.0	591 *	607 *	625 *	641 *	649 *	657 *	663 *	668 *	669 *	669 *
13.0	602 *	618 *	635 *	649 *	660 *	669 *	673 *	678 *	679 *	680 *
11.0	608 *	625 *	640 *	654 *	664 *	674 *	678 *	682 *	684 *	686 *
9.0	610 *	625 *	641 *	653 *	664 *	671 *	676 *	680 *	682 *	681 *
7.0	609 *	623 *	637 *	648 *	657 *	665 *	672 *	676 *	678 *	680 *
5.0	605 *	619 *	633 *	643 *	650 *	657 *	664 *	669 *	673 *	673 *
3.0	601 *	614 *	628 *	639 *	646 *	652 *	658 *	663 *	666 *	670 *
1.0	599 *	614 *	626 *	636 *	643 *	649 *	655 *	660 *	664 *	667 *
0.0	599 *	616 *	628 *	636 *	642 *	649 *	655 *	659 *	664 *	668 *
-1.0	599 *	614 *	626 *	636 *	643 *	649 *	655 *	660 *	664 *	667 *
-3.0	601 *	614 *	628 *	639 *	646 *	652 *	658 *	663 *	666 *	670 *
-5.0	605 *	619 *	633 *	643 *	650 *	657 *	664 *	669 *	673 *	673 *
-7.0	609 *	623 *	637 *	648 *	657 *	665 *	672 *	676 *	678 *	680 *
-9.0	610 *	625 *	641 *	653 *	664 *	671 *	676 *	680 *	682 *	681 *
-11.0	608 *	625 *	640 *	654 *	664 *	674 *	678 *	682 *	684 *	686 *
-13.0	602 *	618 *	635 *	649 *	660 *	669 *	673 *	678 *	679 *	680 *
-15.0	591 *	607 *	625 *	641 *	649 *	657 *	663 *	668 *	669 *	669 *
-17.0	574 *	593 *	611 *	624 *	632 *	639 *	648 *	650 *	652 *	652 *
-19.5	543 *	563 *	582 *	594 *	602 *	610 *	616 *	621 *	625 *	626 *
-22.5	493 *	513 *	530 *	543 *	551 *	559 *	566 *	571 *	576 *	580 *
-25.5	430 *	449 *	465 *	477 *	485 *	492 *	499 *	504 *	507 *	511 *
-29.0	346 *	361 *	375 *	384 *	391 *	398 *	403 *	407 *	410 *	413 *
-33.0	254 *	263 *	272 *	277 *	282 *	285 *	289 *	292 *	294 *	295 *
-37.5	170 *	173 *	177 *	179 *	180 *	183 *	185 *	185 *	185 *	186 *
-42.5	106 *	107 *	108 *	108 *	109 *	109 *	110 *	110 *	110 *	110 *
-47.5	70 *	70 *	69 *	69 *	69 *	69 *	69 *	68	68	68
-55.0	43	42	42	41	41	41	41	40	40	40
-65.0	26	26	26	25	25	25	25	25	25	25
-75.0	12	12	12	12	12	12	13	13	12	12
-85.0	1	1	1	1	1	1	1	1	1	1
-90.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles	Horizontal Angles									
	<u>-3.0</u>	<u>-1.0</u>	<u>0.0</u>	<u>1.0</u>	<u>3.0</u>	<u>5.0</u>	<u>7.0</u>	<u>9.0</u>	<u>11.0</u>	<u>13.0</u>
90.0	0	0	0	0	0	0	0	0	0	0
85.0	1	1	1	1	1	1	1	1	1	1
75.0	12	12	12	12	12	12	12	13	13	12
65.0	25	25	25	25	25	25	25	25	25	25

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CANDELA TABULATION - (Cont.)

55.0	40	40	40	40	40	40	40	40	41	41
47.5	68	67	67	67	68	68	68	68	69 *	69 *
42.5	110 *	107 *	106 *	107 *	110 *	110 *	110 *	110 *	110 *	109 *
37.5	186 *	186 *	185 *	186 *	186 *	186 *	185 *	185 *	185 *	183 *
33.0	297 *	298 *	298 *	298 *	297 *	295 *	294 *	292 *	289 *	285 *
29.0	414 *	416 *	416 *	416 *	414 *	413 *	410 *	407 *	403 *	398 *
25.5	513 *	515 *	515 *	515 *	513 *	511 *	507 *	504 *	499 *	492 *
22.5	582 *	585 *	585 *	585 *	582 *	580 *	576 *	571 *	566 *	559 *
19.5	629 *	633 *	634 *	633 *	629 *	626 *	625 *	621 *	616 *	610 *
17.0	654 *	657 *	659 *	657 *	654 *	652 *	652 *	650 *	648 *	639 *
15.0	670 *	672 *	673 *	672 *	670 *	669 *	669 *	668 *	663 *	657 *
13.0	681 *	681 *	681 *	681 *	681 *	680 *	679 *	678 *	673 *	669 *
11.0	685 *	685 *	687 *	685 *	685 *	686 *	684 *	682 *	678 *	674 *
9.0	682 *	685 *	687 *	685 *	682 *	681 *	682 *	680 *	676 *	671 *
7.0	678 *	680 *	680 *	680 *	678 *	680 *	678 *	676 *	672 *	665 *
5.0	675 *	673 *	673 *	673 *	675 *	673 *	673 *	669 *	664 *	657 *
3.0	669 *	670 *	667 *	670 *	669 *	670 *	666 *	663 *	658 *	652 *
1.0	669 *	667 *	665 *	667 *	669 *	667 *	664 *	660 *	655 *	649 *
0.0	666 *	665 *	665 *	665 *	666 *	668 *	664 *	659 *	655 *	649 *
-1.0	669 *	667 *	665 *	667 *	669 *	667 *	664 *	660 *	655 *	649 *
-3.0	669 *	670 *	667 *	670 *	669 *	670 *	666 *	663 *	658 *	652 *
-5.0	675 *	673 *	673 *	673 *	675 *	673 *	673 *	669 *	664 *	657 *
-7.0	678 *	680 *	680 *	680 *	678 *	680 *	678 *	676 *	672 *	665 *
-9.0	682 *	685 *	687 *	685 *	682 *	681 *	682 *	680 *	676 *	671 *
-11.0	685 *	685 *	687 *	685 *	685 *	686 *	684 *	682 *	678 *	674 *
-13.0	681 *	681 *	681 *	681 *	681 *	680 *	679 *	678 *	673 *	669 *
-15.0	670 *	672 *	673 *	672 *	670 *	669 *	669 *	668 *	663 *	657 *
-17.0	654 *	657 *	659 *	657 *	654 *	652 *	652 *	650 *	648 *	639 *
-19.5	629 *	633 *	634 *	633 *	629 *	626 *	625 *	621 *	616 *	610 *
-22.5	582 *	585 *	585 *	585 *	582 *	580 *	576 *	571 *	566 *	559 *
-25.5	513 *	515 *	515 *	515 *	513 *	511 *	507 *	504 *	499 *	492 *
-29.0	414 *	416 *	416 *	416 *	414 *	413 *	410 *	407 *	403 *	398 *
-33.0	297 *	298 *	298 *	298 *	297 *	295 *	294 *	292 *	289 *	285 *
-37.5	186 *	186 *	185 *	186 *	186 *	186 *	185 *	185 *	185 *	183 *
-42.5	110 *	107 *	106 *	107 *	110 *	110 *	110 *	110 *	110 *	109 *
-47.5	68	67	67	67	68	68	68	68	69 *	69 *
-55.0	40	40	40	40	40	40	40	40	41	41
-65.0	25	25	25	25	25	25	25	25	25	25
-75.0	12	12	12	12	12	12	12	13	13	12
-85.0	1	1	1	1	1	1	1	1	1	1
-90.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles **Horizontal Angles**

	<u>15.0</u>	<u>17.0</u>	<u>19.5</u>	<u>22.5</u>	<u>25.5</u>	<u>29.0</u>	<u>33.0</u>	<u>37.5</u>	<u>42.5</u>	<u>47.5</u>
90.0	0	0	0	0	0	0	0	0	0	0
85.0	1	1	1	1	1	1	1	1	1	1
75.0	12	12	12	12	12	12	12	12	11	10
65.0	25	25	26	26	26	26	26	26	26	25
55.0	41	41	42	42	43	44	45	46	44	44
47.5	69 *	69 *	69 *	70 *	70 *	71 *	70 *	70 *	68	66
42.5	109 *	108 *	108 *	107 *	106 *	104 *	102 *	100 *	94 *	87 *
37.5	180 *	179 *	177 *	173 *	170 *	164 *	156 *	146 *	133 *	119 *
33.0	282 *	277 *	272 *	263 *	254 *	240 *	224 *	204 *	181 *	156 *
29.0	391 *	384 *	375 *	361 *	346 *	330 *	301 *	271 *	233 *	196 *
25.5	485 *	477 *	465 *	449 *	430 *	406 *	374 *	334 *	285 *	235 *

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CANDELA TABULATION - (Cont.)

22.5	551 *	543 *	530 *	513 *	493 *	466 *	431 *	385 *	328 *	269 *
19.5	602 *	594 *	582 *	563 *	543 *	516 *	478 *	430 *	369 *	301 *
17.0	632 *	624 *	611 *	593 *	574 *	546 *	508 *	460 *	396 *	327 *
15.0	649 *	641 *	625 *	607 *	591 *	565 *	526 *	479 *	416 *	343 *
13.0	660 *	649 *	635 *	618 *	602 *	576 *	540 *	492 *	429 *	357 *
11.0	664 *	654 *	640 *	625 *	608 *	584 *	548 *	500 *	438 *	369 *
9.0	664 *	653 *	641 *	625 *	610 *	587 *	551 *	505 *	446 *	377 *
7.0	657 *	648 *	637 *	623 *	609 *	586 *	550 *	507 *	450 *	383 *
5.0	650 *	643 *	633 *	619 *	605 *	582 *	548 *	506 *	452 *	388 *
3.0	646 *	639 *	628 *	614 *	601 *	578 *	546 *	506 *	454 *	392 *
1.0	643 *	636 *	626 *	614 *	599 *	576 *	545 *	506 *	453 *	393 *
0.0	642 *	636 *	628 *	616 *	599 *	575 *	544 *	505 *	453 *	393 *
-1.0	643 *	636 *	626 *	614 *	599 *	576 *	545 *	506 *	453 *	393 *
-3.0	646 *	639 *	628 *	614 *	601 *	578 *	546 *	506 *	454 *	392 *
-5.0	650 *	643 *	633 *	619 *	605 *	582 *	548 *	506 *	452 *	388 *
-7.0	657 *	648 *	637 *	623 *	609 *	586 *	550 *	507 *	450 *	383 *
-9.0	664 *	653 *	641 *	625 *	610 *	587 *	551 *	505 *	446 *	377 *
-11.0	664 *	654 *	640 *	625 *	608 *	584 *	548 *	500 *	438 *	369 *
-13.0	660 *	649 *	635 *	618 *	602 *	576 *	540 *	492 *	429 *	357 *
-15.0	649 *	641 *	625 *	607 *	591 *	565 *	526 *	479 *	416 *	343 *
-17.0	632 *	624 *	611 *	593 *	574 *	546 *	508 *	460 *	396 *	327 *
-19.5	602 *	594 *	582 *	563 *	543 *	516 *	478 *	430 *	369 *	301 *
-22.5	551 *	543 *	530 *	513 *	493 *	466 *	431 *	385 *	328 *	269 *
-25.5	485 *	477 *	465 *	449 *	430 *	406 *	374 *	334 *	285 *	235 *
-29.0	391 *	384 *	375 *	361 *	346 *	330 *	301 *	271 *	233 *	196 *
-33.0	282 *	277 *	272 *	263 *	254 *	240 *	224 *	204 *	181 *	156 *
-37.5	180 *	179 *	177 *	173 *	170 *	164 *	156 *	146 *	133 *	119 *
-42.5	109 *	108 *	108 *	107 *	106 *	104 *	102 *	100 *	94 *	87 *
-47.5	69 *	69 *	69 *	70 *	70 *	71 *	70 *	70 *	68	66
-55.0	41	41	42	42	43	44	45	46	44	44
-65.0	25	25	26	26	26	26	26	26	26	25
-75.0	12	12	12	12	12	12	12	12	11	10
-85.0	1	1	1	1	1	1	1	1	1	1
-90.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles **Horizontal Angles**

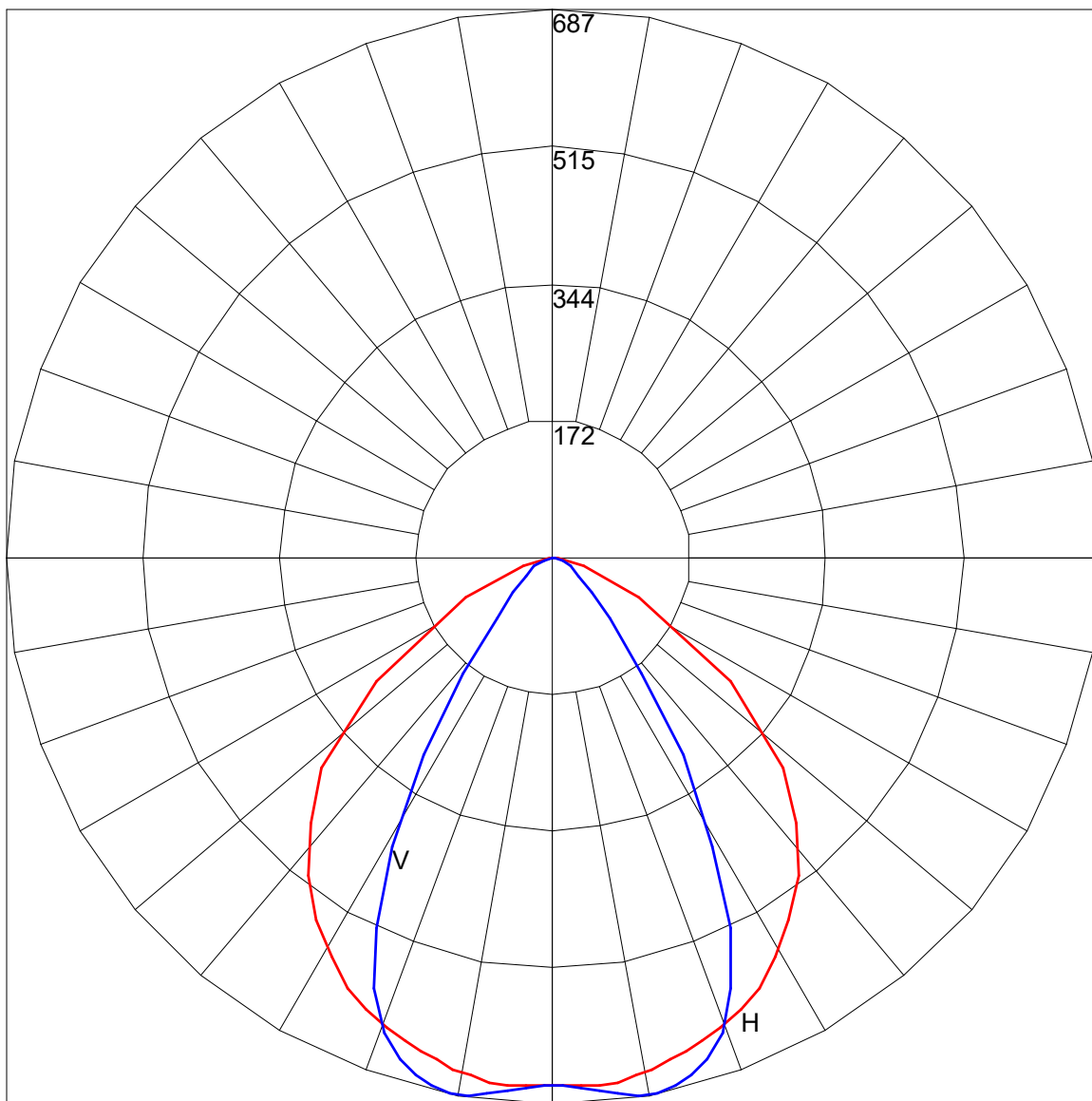
	<u>55.0</u>	<u>65.0</u>	<u>75.0</u>	<u>85.0</u>	<u>90.0</u>
90.0	0	0	0	0	0
85.0	1	1	1	0	0
75.0	8	6	3	1	0
65.0	22	15	7	1	0
55.0	40	28	12	1	0
47.5	58	39	17	2	0
42.5	73 *	49	21	2	0
37.5	94 *	59	24	3	0
33.0	117 *	68	27	3	0
29.0	140 *	76 *	30	3	0
25.5	163 *	83 *	32	3	0
22.5	182 *	90 *	34	4	0
19.5	201 *	97 *	36	4	0
17.0	218 *	102 *	37	4	0
15.0	230 *	106 *	37	4	0
13.0	240 *	110 *	38	4	0
11.0	249 *	113 *	39	4	0
9.0	257 *	115 *	39	4	0

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CANDELA TABULATION - (Cont.)

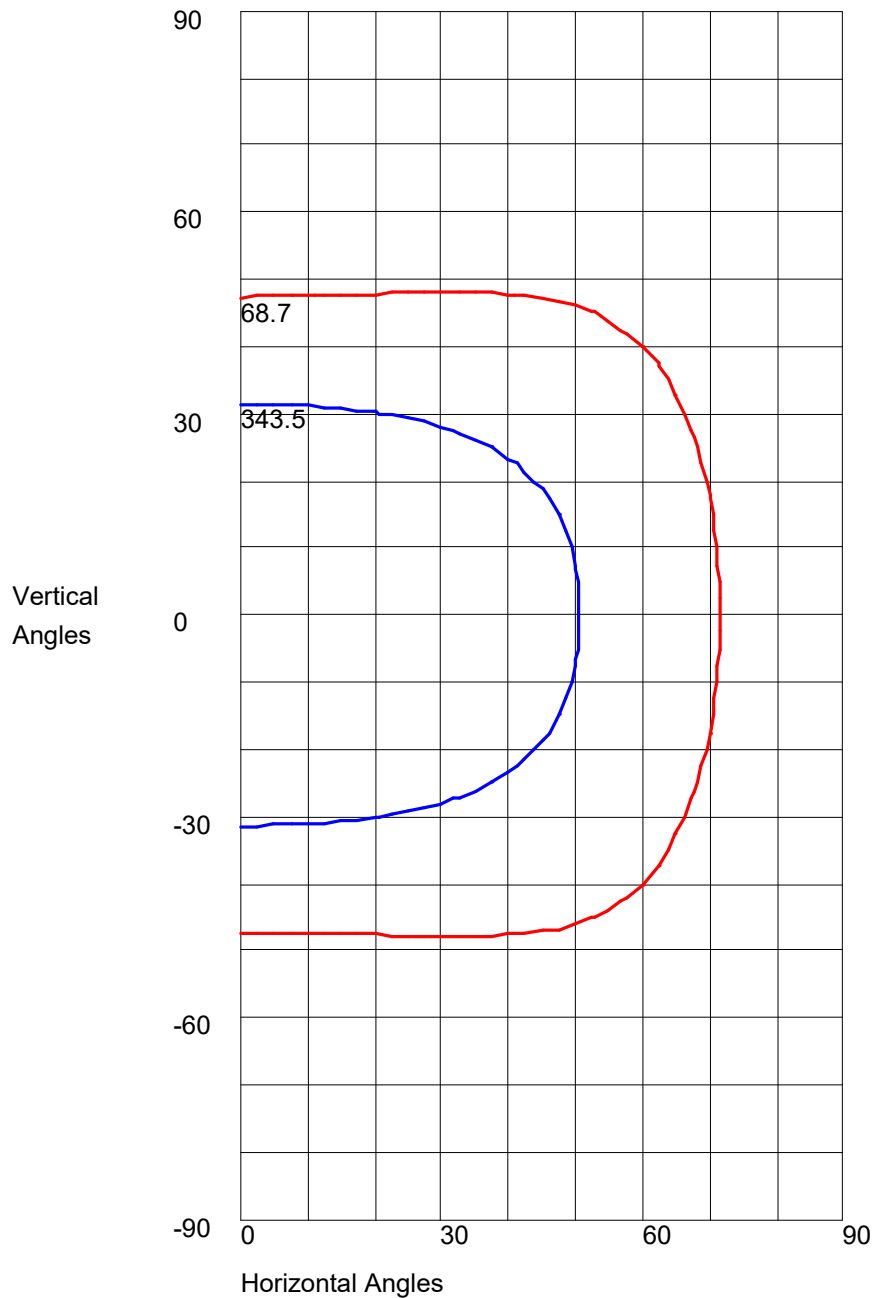
7.0	264 *	117 *	39	4	0
5.0	268 *	118 *	40	4	0
3.0	271 *	119 *	40	4	0
1.0	272 *	120 *	40	4	0
0.0	273 *	120 *	40	4	0
-1.0	272 *	120 *	40	4	0
-3.0	271 *	119 *	40	4	0
-5.0	268 *	118 *	40	4	0
-7.0	264 *	117 *	39	4	0
-9.0	257 *	115 *	39	4	0
-11.0	249 *	113 *	39	4	0
-13.0	240 *	110 *	38	4	0
-15.0	230 *	106 *	37	4	0
-17.0	218 *	102 *	37	4	0
-19.5	201 *	97 *	36	4	0
-22.5	182 *	90 *	34	4	0
-25.5	163 *	83 *	32	3	0
-29.0	140 *	76 *	30	3	0
-33.0	117 *	68	27	3	0
-37.5	94 *	59	24	3	0
-42.5	73 *	49	21	2	0
-47.5	58	39	17	2	0
-55.0	40	28	12	1	0
-65.0	22	15	7	1	0
-75.0	8	6	3	1	0
-85.0	1	1	1	0	0
-90.0	0	0	0	0	0

AXIAL CANDELA DISPLAY



Maximum Candela = 687 Located At Horizontal Angle = 0, Vertical Angle = -11
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 687 Located At Horizontal Angle = 0, Vertical Angle = -11
50% Maximum Candela = 343.5
10% Maximum Candela = 68.7